

The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 12.

LANSING, MICHIGAN, TUESDAY, DECEMBER 4, 1906.

No. 12

M. A. C. 6—D. A. C. 6.

On Thanksgiving Day the closing game of football was played, resulting in a tie score. Including those of our students who live in and near Detroit, M. A. C. furnished about 100 rooters, and the alumni and old students were very much in evidence. The boys put up at the Griswold House while in the city and after the game all partook of an excellent Thanksgiving dinner, served in the private dining room of the hotel. The evening was spent at the Detroit opera house, and taken all in all the trip was a most enjoyable one.

The Detroit papers stated that the game was the best ever played in Detroit. It was an unusually clean game and the D. A. C. players were as fine a lot of young men as M. A. C. has met this year. Our team was accorded every courtesy both on and off the field. The trip was also a success financially, and in the face of the fact that every effort was made to give the team the best that could be found in the way of entertainment, which added much to the expense, the association is almost \$400 to the good.

A sort of jubilee reunion of old M. A. C. men was held at the hotel after the game and all were anxious to meet the boys who had so well defended M. A. C. this fall.

The game was called at 2:30 and was witnessed by an exceptionally large crowd. The field was slippery and prevented fast work on the part of both teams. No scoring was done in the first half, the honors being quite evenly divided. Each tried a drop kick and each failed to make good.

After a short punting duel in the second half, M. A. C. worked the forward pass for a good gain. Small then made 15 yards and this added to three line bucks sent the ball over. Small kicked goal. Within a few minutes after the next kick off Buland, D. A. C.'s R. E., took the ball on Small's punt, and after excellent dodging and with splendid interference carried it for 60 yards and a touchdown. Goal was kicked.

Capt. Doty did not get into the game owing to his bruised eye, and Shedd went in at full back, Allen and Frazer ends, Bowditch and McKenna halves, Burroughs and Dersnah tackles, Campbell and Parker guards, Moore at center and Small at quarter. Touchdowns, Shedd, Buland; referee, Fishleigh; umpire, Magoffin. Time of halves, 25 minutes.

As soon as we can get half-tones made the usual football number will be issued, probably on Dec. 18.

Word has just been received from the Michigan Passenger Association that no reduction in rates will be offered to the students of any college at holidays. A holiday rate of one and one-half fare for the round trip will be offered, but tickets will be dated Dec. 22 good for return to and including Jan. 2. This rate is good only within the state.

JUDGE ALBERT E. COWLES.

Judge A. E. Cowles, who was killed by a street car in Los Angeles on the evening of Nov. 23, was a member of the first class at M. A. C. in 1857. Mr. Cowles was crossing



a street and did not notice the approach of the car and was instantly killed. Judge Cowles was one of the early pioneers of Lansing, having moved to Ingham county in 1843 from Ohio. He received a common school education, spent two years, '57-'59, at M. A. C., and graduated from the law department of the university in 1862. He was a member of Co. A. 20th Mich. Inf. in the civil war.

Mr. Cowles was the author of a historical section of an edition concerning Ingham Co. and its citizens, published in '05. Having lived in the county so long and been able to note the rapid development of same, he was particularly fitted for this task.

Judge Cowles held many positions of trust and honor, and his death is a shock to his many friends throughout this county.

THANKSGIVING MILITARY.

The Military given on Wednesday evening was a success in every way, an unusually large number, both of students and visitors being present. The buglers were on hand and sounded assembly which gave the affair quite a military aspect. Baker's orchestra furnished excellent music. Prof. and Mrs. Vedder and Dr. and Mrs. Waterman acted as chaperons. There were a large number of Lansing friends present and among the old students were noted, Olie Burk, N. B. Horton, A. A. Rosenberry, Harold Kimball, Julia Ellsworth, Bessie Tillett, Ora Luther, and Cecil Alden.

The Aurorian Literary Society elected the following members to office for the winter term: President, H. L. Brown; Vice President, A. W. Brewster; Secretary, J. O. Linton; treasurer, R. L. Pennell; RECORD Editor, R. J. Alvarez; Sergeant at Arms, H. L. Hallam.

THE FORESTRY TRIP.

On the appropriate day of November, Friday, the 23rd, the forestry students of the Junior and Senior classes under the guidance of Prof. Bogue left for Grand Rapids over the Pere Marquette to enjoy that most delightful and instructive trip which has long been anticipated. On arriving at the Union depot we were met by Hon. Chas. W. Garfield, president of the State Forestry Commission, who made us feel that we were welcomed to the city and all that it contained. Mr. Garfield would have gladly accompanied us thru the different factories of the city, but being a very busy man, he was unable to do so.

After getting our dinner at the restaurant we started out to make a tour of Grand Rapids most famous wood-working plants. The first one visited was "The Veneer Works." Here we saw the process of veneering, the various kinds of woods used for veneering and some of the many uses made of the veneered product.

The next factory that we visited was the Wm Widdicomb Furniture Company. At this place we were welcomed and shown through the entire factory by a competent guide. Some very interesting things were seen in this establishment, one being the chamber suite containing five pieces which wholesaled at the enormous sum of \$1500.00. This suite was made of solid mahogany imported from San Domingo which is claimed to be the best mahogany in the world. The guide also showed us a small pile of mahogany lumber which cost the company \$3000.00. This San Domingo wood is the most beautifully grained that there is on the market. It has a very rich and fascinating color and is capable of taking a high polish. In passing through the factory it was interesting to note the various processes in the making of the furniture. Each man had his particular work to do and as a result of this, skill, rapidity and accuracy was obtained by each workman, and the very highest grade of furniture was produced, because of a rigid system of inspection which was in vogue in this plant.

It was about 5 o'clock when we emerged from the walls of this great institution and again entered into the open air. It being too late to visit any more factories that afternoon, we proceeded to amuse ourselves for the rest of the evening, and as Grand Rapids has plenty of attractions we had no trouble in accomplishing our ends.

On Saturday forenoon we were shown through the Macey Desk and Library Furnishing plant. Oak and mahogany were the predominating woods used in this factory. The most interesting piece of mechanism seen in this plant was the grooving and gluing machine. There was a device on the machine which did the dovetailing and another one which did the gluing by means of a cylindrical brush constantly revolving in a steam heated

(Continued on page two)

ALUMNI.

GRAND RAPIDS MEETING.

Dr. Beal reports an excellent meeting of the Grand Rapids alumni on Nov. 26, in the parlors of the Park Congregational church. Dr. Griswold acted as toastmaster, the following members responding to toasts: Dr. Beal, Cornelius Van Loo, '62, W. K. Clute, '96, L. B. Hall, '82, John Nellist, '94.

The College was represented by Dr. Beal, and those present by classes were as follows:

Cornelius Van Loo, '62.
Dr. J. B. Griswold, '63.
Chas. W. Garfield, '70.
Arthur Lowell, '74.
Dr. J. F. Groner, '74.
Mrs. J. F. Groner.
Dr. Chas. Bloodgood, '77.
Mrs. E. D. McBain, '79.
L. B. Hall, '82.
Alice Coulter, '82.
Wm. Adams, '84.
Mrs. Wm. Adams.
T. O. Williams, '85.
Mrs. T. O. Williams.
Wm. K. Clute, '86.
Mrs. Wm. K. Clute.
W. C. Hall, '87.
Mrs. W. C. Hall.
J. W. Toan, '90.
F. S. Robinson, '90.
Marion Weed, '91.
G. Elmer Ewing, '92.
Mrs. G. Elmer Ewing.
Oscar Hirth, '94.
Mrs. Oscar Hirth.
W. J. Cummings, '96.
M. P. Thompson, '96.
Mrs. M. P. Thompson.
J. F. Nellist '96.
Fred W. Kramer '97.
Mrs. Fred W. Kramer.
Mrs. J. F. Nellist, '03 (Clara Waterman).
Gertrude Van Loo '02.
Bessie Buskirk, '03.
Dora Skeels, '06.
Margaret Kotvis, '07.
M. Cecil Alden, '07.
A. Beatrix Skeels, '07.
J. Lee Crips, '07.
Fred Works, '69.

In addition to the above list there were present Mrs. Harriet G. Bacon, formerly matron of our domestic science department; Mrs. J. M. Dudley, mother of Gordon Dudley, '07; Mrs. J. L. Baird, wife of former secretary R. G. Baird; Edwin Glerum, R. W. McLaughlin, J. M. Hoyt, Nettie E. Wood, and Lewis Groner.

With '95.

A. N. Clark writes interestingly of his work as chief chemist of the sugar company at Wallaceburg, Ont. The company is building a steam pulp drier, which will take the place of the direct fire method. Mr. Clark speaks of P. M. Grover, with '07, who is assistant, as being one of the most careful, energetic, and honest men he has ever known. Grover went to Ontario from Oregon, where he raised wheat two years after leaving M. A. C.

THE M. A. C. RECORD.

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B. A. FAUNCE, MANAGING EDITOR

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- A. GARCINAVA, '08
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- A. SOBY, '09
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- W. D. FRAZER, '09
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TUESDAY, DEC. 4, 1906.

It is very much regretted that two colleges which have for so many years been on the most friendly terms possible, should find it necessary to call each other to account for petty grievances. A recent local paper states that Olivet bids fair to become M. A. C.'s bitter rival hereafter. We certainly do not believe this to be true—it must not be true.

We believe that the team and also the student body of M. A. C. have the kindest feeling toward Olivet as both the players and rooters who accompanied them on the recent trip were treated with every courtesy. While we cannot but feel that M. A. C. got a little the worst of football luck and officiating, we congratulate Olivet on winning the game by playing better ball and more of it than did our own team. We would not take away anything from the glory of the victory, for Olivet played the game of their lives and, of course, we are proud that we had a team which could make them do so. Olivet played as fine a game of football as has ever been seen in Michigan and the victory is hers.

UNION LITERARY.

The members of the Union Literary Society who remained at the College over Thanksgiving were given a very pleasant evening's entertainment by Prof. and Mrs. Taft at their home Thursday evening. The early part of the evening was spent in playing games after which refreshments were served. To say that all present highly appreciate the kindness of Prof. and Mrs. Taft is putting it all too mildly. It was a time long to be remembered and all feel that, although they could not be at their homes to eat turkey, their Thanksgiving day was a grand success and will be remembered as one of the happiest days of their college lives.

The U. L. S. gave a very pleasant vacation party Saturday evening, Dec. 1, to a number of their college friends. It was a little different from the ordinary party, the stiffness of formality being entirely lacking. Every one seemed to be in their happiest mood and all report a very enjoyable evening. Miss Chapman kindly acted as chaperon. Music was furnished by Baker.

THE FORESTRY TRIP.

(Continued from page one)

reservoir of glue. By means of two endless chains the boards to be united are run through the dove-tailer and then glide past the gluing brush and are brought firmly together at the center of the machine, and by means of a horizontal trip hammer the spliced board is cast aside.

The boards when placed on the endless chain are held in their proper position by a system of cast iron rollers exerting a downward pressure. The boards are dove-tailed lengthwise and thus narrow pieces are made wider by this process. The work done by this machine is so smooth and even that one would scarcely notice the dove-tailing effect.

After learning all we could from this factory, we boarded the street car and rode to the city limits and after a short walk we came to Mr. Garfield's plantation. This plantation consisted of a goodly number of hardwood species and some conifers which had been set out in rows some sixteen years ago. This plot demonstrated the fact that forest tree planting is not the dismal failure that some antagonistic people claim for it. Altho not a perfect stand, it shows to the observer what can be done along this line of work. After getting a few snap-shots of the various conditions of growth, we returned to the city and satisfied our midday hunger by obtaining a good square meal.

At 2:30 p. m. we were again spinning through the country over the Grand Rapids and Indiana Road bound for Cadillac. While in this city we visited the Iron Smelter, the Shoe Last and Bowling Pin Factory, the Cummins and Diggins Flooring Company, the Wood Alcohol Plant and Cobbs and Michells Electric Flooring Plant, all of which had their interesting and instructive points.

We left Cadillac Monday noon for Alba. While on the train it was interesting to see the landscape which looked to be nothing more than a desolate barren of waste lands. If this is what is called the prospective good farm lands then let's transmigrate to another planet, for such prospects would discourage a saint. Arriving at Alba in a drizzling rain we went to the livery barn to negotiate for a transfer from the village to the Ward tract, a distance of nine miles, but for various reasons we decided to wait until morning.

At 7 o'clock in the morning, two double rigs awaited us at the hotel and soon we were jogging over the country roads and back to the "Tall Timbers" we went. We passed through some luxuriant growths of virgin timber consisting of hem oaks mixed in with various hardwoods. Finally we reached the tall magnificent pines towering from 150 to 200 feet in height. As they stood there so straight and lofty one could not help but be inspired by their grandeur and beauty. We finally arrived at the camp which consisted of 12 or 15 buildings, including sleeping apartments, the dining room, store-houses and horse barns. While in the woods we watched the lumberjacks work the fallen trees into logs ready for shipment, also the loading of the logs onto the cars by the means of a steam crane.

After returning to Alba and enjoying a well prepared meal we took the north bound train for Mackinac

City. At 8:40 that evening found us at the Cheboygan depot, and after trudging with our burdensome grips for a weary mile, we located ourselves in what is known as the best hotel in the city. As regards this hotel the less said the better. The next morning we visited the Cheboygan paper mills. Here again we were greatly aided by a guide who told us as far as possible the various processes in the making of the paper showing us the methods used. The wood used in making paper is mostly spruce, balsam and poplar. These mills turn out six tons of paper daily. They ship a car load of paper every other day to the *St. Paul Despatch*. The machinery is kept in motion for 24 hours each day and 7 days each week in order to keep up the necessary supply for their trade.

We left Cheboygan at 11:30 a. m. on the Detroit and Mackinac R. R. for Bay City and returned to Lansing on the Michigan Central. While riding on the train we lost no time in examining the forestry conditions as compared with farming prospects and learned a few facts for ourselves.

All those who took the trip will agree that it paid them manyfold for the time and money spent, as it certainly was a grand success, giving the foresters many practical problems to think upon. May the trip two years hence be as successful.

L. R. DORLAND.

CLASS OF 1906.

Following is a roster of the class of 1906 with addresses and, so far as we have been able to learn, the work in which each is engaged:

Edwin H. Adams, is with the Electric Installation Co., of Chicago, address at 245 E. Huron St.

Alida Alexander, is a teacher in the public schools of Detroit. Her address is 656 Champlain St.

A. Crosby Anderson, instructor in animal husbandry, M. A. C.

Harriet Angell, is at home near M. A. C.

A. Scott Armstrong is with the Illinois Central Ry. Co. located at Memphis, Tenn. His address is 404 Rogers Blk.

H. H. Barnett is engaged in drafting for the city of Greeley, Col. Address, P. O. box 254.

E. N. Bates, instructor in Physics, M. A. C.

R. C. Bird is with the Allis-Chalmers Co. with address at 202 Ninth St., Milwaukee, Wis.

Geo. P. Boomsliuter is designing bridges for the Phoenixville Bridge Co., Phoenixville, Pa. His address is 234 Fourth avenue.

Mary J. Bray is teaching near her home, Okemos.

Howard Bucknell is on the farm near Centerville, Mich.

A. H. Cameron is engaged in engineering work for the American Bridge Co., of Chicago. His address is 9309 Prairie Ave.

Flora Campbell is doing general office work for her brother in Colorado Springs, Colo.

Florence Case is ill at her home in Berlin, Wis.

S. E. Champe at M. A. C. for the present.

Henry H. Crosby died on Oct. 16 at his home in Three Oaks of typhoid fever.

John G. Cavanagh is with the Rock Island Ry. in general maintenance work with address at 721

East Maple St., Estherville, Iowa. M. J. Dorsey is assistant in horticulture at the Maine Agricultural College, Orono.

A. R. Falconer is engaged in engineering work at Ambridge, Pa.

Fred A. Farley, has a position in the animal husbandry department of the Minnesota Agricultural College, St. Anthony Park.

Bell Farrand is assistant in Bacteriology at M. A. C.

James E. Fisk is at present Inspector for the College on the new engineering building.

Howard L. Francis is located at Moorland, La.

Blanche Freedman is teaching in the Charlotte public schools.

Ralph C. Graham is engaged in construction work at Dumas, Mo.

Frank N. Grover is assistant city engineer at Cadillac, Mich.

Earl Hagadorn is at LaFayette, Ind., where he is in greenhouse work for the Experiment Station.

Gilbert Hebblewhite is with the Kenwood Bridge Co., at Chicago. His private address is 853 E. 73d St.

Grace Hebblewhite is teaching in the Armada public schools.

Walter K. Hough is farming at his old home near Almont.

Rosemond Kedzie, student at M. A. C.

Rollo E. Keech is with the Westinghouse Machine Co., at East Pittsburgh, Pa.

Earl W. Kenrick is at Glendale, Cal.

Walter J. Kingscott is a draughtsman in the C. and N. W. R. R. office. His address is 4309 Prairie Ave., Chicago.

Cass Lamb is in the draughting room of the Plat Iron Works at Dayton, Ohio. His address is 631 Main st.

John R. Lambert is with a Bridge Co. at Phoenixville, Pa., with address at 237 Fourth Ave.

M. B. Langeler is with the American Bridge Co. of Milwaukee, Wis. His address is 216 13th St.

Caroline Lawrence is teaching in the high school at her home, Hudson.

Frank L. Linkletter, with his brother, is making a trip through the west with their photographic outfit.

Frank Liverance is with the U. S. Patent office, Washington, D. C. His address is 1010 End St., N. W.

T. F. Locke is drafting for a firm in Rockford, Ill.

Allan Markham is surveying for the Illinois Central R., located at Cass, Ind.

'92.

B. W. Pelt, assistant professor of chemistry State Normal, is doing some special work in food chemistry, bacteriology and water analyses.

'99.

Editor M. A. C. RECORD:

Although living for the time under another flag, the Americans here at the Ontario Agl. College did not forget that last Thursday was Thanksgiving day at home. The American students had prepared and served here at our home a sumptuous dinner on Thursday evening. Of the fifteen present five were former M. A. C. students, Messrs. E. Lewis and Knauss, who were at M. A. C. last year, Mr. Barlow, Mrs. Edwards, and myself.

Very sincerely yours,
S. F. EDWARDS,
Guelph, Canada.

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ABOUT THE CAMPUS.

Geo. F. Talladay visited his Hesperian friends one evening the past week.

Miss Ida Smith, of Schoolcraft was the guest of Miss Earl the past week.

The programs, it is hoped, will be ready for distribution the last of next week.

C. E. Slightly, '07, won two prizes on Black Langshans at the State fair, Detroit.

H. F. Tuttle, T. F. McNally and J. H. Jones were College visitors the past week.

Cashier Kenney was called to Lapeer on Monday to attend the funeral of an aunt.

"Pope" Leo Ruggles expects to spend the winter term at Ferris Institute, Big Rapids.

Morton Barrows spent Thanksgiving with his parents, Prof. and Mrs. W. B. Barrows.

And now comes Xmas. Only one week from Friday and—Exams. are over again.

Ypsilanti has a clean record in football this year, winning her last game over Hillsdale 10 to 6.

Miss Hearty Brown spent the Thanksgiving vacation with her parents, Sec. and Mrs. Brown.

Miss Bessie Palm, from Irwigt, Ill., visited her brother, Gray Palm, '11, last week at Mrs. Felton's.

Frank Spragg, M. S., '06, has returned from the west and will carry on some work for the experiment station under the direction of Prof. Smith.

By action of the faculty, anatomy 2 for sophomore women has been transferred to the spring term and botany 4 will be given in its stead in the winter.

W. H. Wing, '76-'77, treasurer of Ottawa Furniture Co. of Holland, called at the college on Nov. 29.

The prices of board for the fall term are as follows: A, 2.90, B, 2.92, C, 2.05, D, 2.25, E, 2.07, and G, 2.54.

Miss Bessie Tillett with '08 who is teaching at Stoney Creek, Mich., spent her Thanksgiving recess at M. A. C.

Markham, Neilson and Poole, all '06, were among those who spent a few days with College friends the past week.

It would seem by the size of classes on Friday that Thanksgiving found a majority of our students at their own homes.

F. H. Sanford, '04, has recently been elected to the position of Instructor in Forestry at M. A. C. and began his work on Dec. 1.

E. A. Boyer spent Thanksgiving with Lansing friends. He reports that his work in the food inspection department, bureau of animal industry, Chicago, is proceeding very satisfactorily.

All controversy concerning football championship is now ended as through the Albion reporter of the *Free Press* we learn that the Albion team should be accorded the championship honors.

Miss Katherine McNaughton, '05, who is now in the Thomas Training School, Detroit, spent a few days the past week with college friends.

Dean Gilchrist will return to her work in Ann Arbor tomorrow. She has been arranging, so far as possible, the classification of specials for the winter term.

Mr. Charles W. Chapman has been elected instructor in physics. Mr. Chapman is a Normal graduate and has been employed for some time as teacher in the Fenton schools.

The seven students who will compete in the fruit judging contest at the State Horticultural meeting will leave for Grand Rapids at 10 o'clock on Thursday morning, returning to Lansing Saturday evening.

The class in physics, sub-freshmen women, visited the Lansing beet sugar factory Friday. They report a pleasant and profitable trip, also a "sweet time" as each returned with a box of sugar.

Instructor Clark, of the chemical department, was at St. Johns Thanksgiving evening where as cornetist he assisted Mr. John Wilson Dodge in the presentation of his new opera "Princess of Soko."

Mr. and Mrs. Newman entertained the workers and Bible class of the M. A. C. Sunday school at their home on the Delta Thursday evening, Nov. 22. "Football" and other games occupied a part of the evening, refreshments were served and a most enjoyable evening spent.

All those who are interested in Prohibition and its problems are requested to meet in room 7, College Hall next Sunday afternoon at six o'clock. We would like to organize here a strong Prohibition League to take up a systematic study of the liquor problem.

Orla Rector, janitor of Abbot and Williams Hall, lost a note book on Friday containing his month's salary. It was lost presumably between the library and Abbot. Finder will please return same to secretary's office.

The faculty at its recent meeting voted to extend the Christmas vacation one day. In this case students will not be required to return until Wednesday, Jan. 2, thus giving New Years Day at home. College opens Thursday morning.

Thanksgiving at the Women's Building was a gala day. About seventy, less than half of whom were girl students, sat around the festive board, sharing in old fashioned turkey and mince pie, and in new fashioned soup and fruit salad. After the coffee, Miss Gilchrist as toast-mistress introduced Miss Owen, Instructor Bates and Prof. Smith, all of whom charmed the ears of their listeners by their ready wit. Prof. Smith touched the hearts by his references to the past, and for a time the spirit of *auld lang syne* pervaded the atmosphere. Thursday, Friday and Saturday evenings the house was open to friends, from whom many calls were received.

DEBATING CLUB.

A new system of choosing debators for the program has been tried. The names of the members of the debating club were all placed in a hat and were drawn out one by one until all were disposed of. The first four were placed in the order drawn for the first debate next term and the next four were treated likewise for the next debate, etc.

According to this new system the following is the program for the winter term:

Debate No. 1.—January 10th, 1907; L. R. Dorland, Eli Rodegeb, E. J. Shassberger, S. B. Lilly.

Debate No. 2.—January 17th, 1907; M. L. Tower, O. W. Stephenson, F. M. Barden, O. K. White.

Debate No. 3.—January 24th, 1907; H. D. Ingalls, A. W. Brewster, M. L. Bowerman, R. G. Crane.

Debate No. 4.—January 31, 1907; W. E. Piper, F. H. Kierstead, H. L. Kempster, C. M. Cade.

Debate No. 5.—February 7th 1907; L. L. Burrell, O. I. Gregg, A. L. Darbee, B. B. Clise.

Debate No. 6.—February 14th 1907; H. G. Stone, C. W. Mason, R. G. Hoopingarner, E. L. Grover.

Debate No. 7.—February 21st 1907; E. A. Wilson, G. V. Copson, H. I. Glazier, G. W. Lindsley.

Debate No. 8.—February 28th 1907; C. H. Goetz, Roy Lyons, H. H. Musselman, Winfield Spratt.

Debate No. 9.—March 7, 1907; Mary Allen, Helen Ashley, Bertha Lunn, A. B. Raynor.

Debate No. 10.—March 14, 1907; E. I. Wilcox, C. McNaughton.

Each squad of debators are to choose their question and the side upon which they wish to debate: It is the desire of the club to have printed programs next term, so will each squad get together before the end of this term and decide upon the question and sides to be debated by the respective members and notify the program committee as soon as possible.

L. R. DORLAND
C. M. McNAUGHTON
C. H. GOETZ.

FARM CROPS LABORATORY.

The room devoted to the study of cereals, legumes, etc., on the second floor of the Farm Mechanics Building, is certainly an interesting one to visit.

In the southwest corner are built the racks for drying seed corn. These racks are about 12 ft. long by 8 ft. high, and afford an excellent method of curing seed corn, as that placed in these racks in the fall is now practically free from moisture. These racks are four in number and will contain from 60 to 75 bushels of ears.

During the summer several large cases were built along the north side of the room and in these are kept the various cereals as they were taken from the field, showing the comparison as to formation of heads, and length and size of the straw. The effect of careful selection of seed in corn as well as in the smaller grains is brought out in an interesting manner by these comparisons which makes this work of great value. The per cent of waste matter in the grains is of interest, it being shown in oats, for instance,

that a certain variety which many would reject, was found to contain a much smaller per cent of hull than that of six or seven varieties tested.

Specimens of the various weeds which cause the farmer so much trouble are mounted and placed on convenient racks on the wall and receive their share of attention. Fanning mills and corn shellers have their places here and near the center of the room are long tables upon which are placed the subjects for study.

The room, even to a visitor, is full of interest and students who are privileged to make a study of these problems should and, we believe, do appreciate the instruction given along this line.

'03.

F. J. Phillips, expert forester for U. S. Department of Agriculture, recently finished a tour of inspection of the Jamez Reserve, N. M. where he found everything in good condition. Mr. Phillips travelled on horseback from one district to another, making notes as he went, and his observations and suggestions are to be compiled in the form of a report. This reserve was established to serve as a permanent timber supply, and also for its great protection value to soil and water supply. It is estimated to contain 2,675,000,000 feet of merchantable timber and nearly one-half the reserve is available for grazing. A competent body of forest rangers is in charge of the Reserve.

'05.

E. G. Kenny is making a good record for himself on the chemical force of Swift & Co., Chicago.

There are seven teams, twenty-one candidates, entered for the preliminary debates from whom will be selected a team to be sent against Ypsilanti this winter. The question to be debated is, "Resolved, that a progressive inheritance tax should be levied by the federal government." M. A. C. has chosen the negative side of the question. Mr. R. S. Baker gave a most interesting and instructive talk before the Political Science Club on Saturday evening. Mr. Baker has but recently returned from a trip through the south where he has been studying the negro problem, which was made the subject of his talk. He expects later to return and make a further study of the conditions as they exist throughout our southern states.

The Y. M. and Y. W. C. A. hand book has put in an appearance and is without question the most accurate directory ever issued. Our general secretary has worked hard to make the list a reliable one and has succeeded.

Instructor McCue gives an illustrated talk on making bordeaux mixture at the State Horticultural Society meeting on Thursday morning. Prof. Fletcher gives an address on breeding of improved varieties of fruits in Michigan.

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